

INTERNATIONAL SEARCH REPORT

PCT/GB2004/001194

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01J3/42 G01N21/35 G01N21/49

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G01J G01N G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/50859 A (ARNONE DONALD DOMINIC ;TOSHIBA RES EUROP LTD (GB); CIESLA CRAIG MI) 31 August 2000 (2000-08-31) abstract; figure 17 page 2, lines 5-17 page 3, lines 8-13 page 1, lines 1-17	23-27
Y	US 2001/033636 A1 (CORDES FRANK ET AL) 25 October 2001 (2001-10-25) cited in the application abstract page 1, paragraph 8 page 1, paragraph 5 page 1, paragraph 3	1-22
Y		1-22
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- &* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
23 June 2004	29/06/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Varelas, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/057750 A (ARNONE DONALD DOMINIC ; COLE BRYAN EDWARD (GB); CLUFF JULIAN (GB);) 25 July 2002 (2002-07-25) abstract; figure 4 page 39, lines 13-16	23-27
Y		1-22
X	MITTLEMAN D M ET AL: "T-RAY IMAGING" IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, IEEE SERVICE CENTER, US, vol. 2, no. 3, 1 September 1996 (1996-09-01), pages 679-692, XP000689828 ISSN: 1077-260X	23-27
Y	page 680, column 2, lines 7-19; figure 2 page 683, column 2, line 20 – page 684, column 1, line 18	1-22

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 28-29 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 28-29

Claims 28-29 contain references to the description and/or the drawings. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here. The search has been carried out for those parts of the application which appear to be clear within the meaning of Article 6 PCT, namely claims 1-27 and therefore the examiner cannot establish an opinion with regard to novelty and/or inventive step for claims 28-29.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/001194

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0050859	A 31-08-2000	AU 2681700 A		14-09-2000
		EP 1155294 A1		21-11-2001
		WO 0050859 A1		31-08-2000
		GB 2347835 A ,B		13-09-2000
		JP 2002538423 A		12-11-2002
US 2001033636	A1 25-10-2001	DE 19954663 A1		07-06-2001
		US 6532276 B1		11-03-2003
		FR 2801103 A1		18-05-2001
		GB 2359719 A ,B		29-08-2001
		NL 1016471 A1		15-05-2001
		US 2001036250 A1		01-11-2001
		US 2002181656 A1		05-12-2002
WO 02057750	A 25-07-2002	GB 2371111 A		17-07-2002
		EP 1352287 A2		15-10-2003
		WO 02057750 A2		25-07-2002
		GB 2384555 A		30-07-2003
		US 2004065832 A1		08-04-2004